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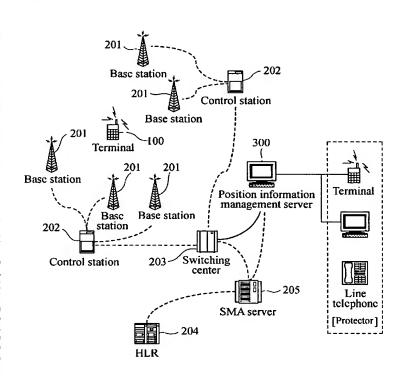
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(54) Title: APPARATUS AND METHOD FOR TRACKING THE POSITION OF A PERSON/OBJECT USING A MOBILE COMMUNICATION NETWORK



(57) Abstract: The present invention relates to an apparatus for tracking a position using a mobile communication network comprising terminals, a base station transmission system (BTS), a base station controller (BSC), a mobile switching center (MSC), a Home Location Register (HLR), a Short Message Service (SMS) and a position information management server. More particularly, the position tracking apparatus comprises: CDMA wireless transmission and reception element for performing basic CDMA wireless transmissions and receptions; a position information extracting element for receiving position information from a GPS satellite; an emergency call button for performing PUSH actions when a user lies in the emergency; a memory for storing emergency messages and external notification voice data; a Radio Frequency Identification (RFID) processing element for providing personal information of the user; a controller for performing current position notifications or output of the external notification voice data upon receiving instructions from the position information management server, and performing low-power position registrations in the HLR

by determining low-power position registrations based on the distance/time using a distance/time based timer; and a speaker for outputting the external notification voice data. Hence, the present invention allows the user to manage the emergency more simply and rapidly when the user is in an emergency, and allows the production of scale-down and low-power terminals to be realized.

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